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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application No.	10/633,266
Filing Date	July 31, 2003
First Named Inventor	Edwin R. Leonard
Art Unit	2643
Examiner Name	Not Yet Known
Attorney Docket Number	23564-07867

Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
NRK	A1	US2002/0063780A1	05-30-2002	Harman et al.
	A2	US2003/0112325A1	06-19-2003	Boyden et al.
	A3	US2003/0058363A1	03-27-2003	Boyden et al.
	A4	US2003/0058334A1	03-27-2003	Boyden et al.
	A5	US 5,612,733	03-18-1997	Flohr
	A6	US 5,400,069	03-21-1995	Braun et al.
	A7	US 5,335,022	08-02-1994	Braun et al.
	A8	US 5,187,571	02-16-1993	Braun et al.
	A9	US 5,117,285	05-26-1992	Nelson et al.
	A10	US 5,038,224	08-06-1991	Martulli et al.
	A11	US 4,928,301	05-22-1990	Smoot
	A12	US 4,890,314	12-26-1989	Judd et al.
	A13	US 5,572,248	11-05-1996	Allen et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
NRK	C1	BARAKONYI, István et al., <i>Augmented Reality Videoconferencing for Collaborative Work</i> , Proc. of the 2nd Hungarian Conference on Computer Graphics and Geometry, Budapest, Hungary, May 2003, 8 pages.	
	C2	BISHOP, Gary et al., <i>Working in the Office of "Real Soon Now,"</i> IEEE	

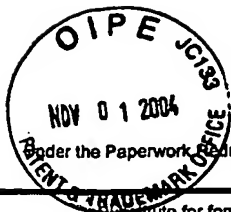
Examiner Signature	Melur Ramakrishna	Date Considered	12/1/05
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Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

23564/07867/DOCS/1436972.1



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application No.	10/633,266
Filing Date	July 31, 2003
First Named Inventor	Edwin R. Leonard
Art Unit	2643
Examiner Name	Not Yet Known
Attorney Docket Number	23564-07867

Sheet 2 of 5

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
NR/C		Computer Graphics and Applications, July/August 2000, pp. 76-78	
	C3	CHEN, Milton, <i>Design of a Virtual Auditorium</i> , Proceedings of ACM Multimedia, Minneapolis, 2001, pp. 19-28.	
	C4	CHEN, Milton, <i>Leveraging the Asymmetric Sensitivity of Eye Contact for Videoconference</i> , Proceedings of CHI, Vol. No. 4, Issue No. 1, April 20-25, 2002, pp. 49-56	
	C5	HEATH, Christian et al., <i>Disembodied Conduct: Interactional Asymmetries in Video-Mediated Communication</i> , Published in: Technology in Working Order: Studies of Work, Interaction, and Technology, Graham Button, editor, London 1993, pp. 35-54.	
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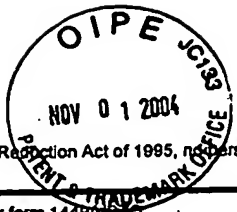
Examiner Signature	Melvin Ramakrishna	Date Considered	11-21-05
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Substitute for form 1449 of 10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application No.	10/633,266
Filing Date	July 31, 2003
First Named Inventor	Edwin R. Leonard
Art Unit	2643
Examiner Name	Not Yet Known
Attorney Docket Number	23564-07867

Sheet 3 of 5

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NRK	C13	MARK, Gloria, <i>Extreme Collaboration</i> , Communications of the ACM, December 2001, pp. 1-8.	
	C14	MARK, Gloria et al., <i>Group-to-Group Distance Collaboration: Examining the "Space Between,"</i> Proceedings of the 8 th European Conference of Computer-supported Cooperative Work, September 14-18, 2003, Finland, pp. 1-20.	
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Examiner Signature	Melvin Ramer	Date Considered	11-21-03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application No.	10/833,266
Filing Date	July 31, 2003
First Named Inventor	Edwin R. Leonard
Art Unit	2643
Examiner Name	Not Yet Known
Attorney Docket Number	23564-07867

Sheet 4 of 5

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
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	C26	WELLNER, Pierre D., <i>Adaptive Thresholding for the DigitalDesk</i> , Technical Report EPC-1993-110, © Rank Xerox Ltd, Cambridge, 1993,	
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	C30	Polycom Video Communications, Collaboration Solutions, <i>Video Streaming With Polycom iPower™ Video Collaboration Solutions</i> , ©2002, pp. 1-5.	
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	C32	Teliris Ltd, <i>Facing Realty, GlobalTable™ Replaces In-Person Meetings</i> , ©2001, pp. 1-9.	
	C33	Teliris, <i>Preserving the Geometry of Sound</i> , [Retrieved on November 11, 2003]. Retrieved from the Internet: URL:	

Examiner Signature	Mehar Ramerha	Date Considered	11-21-05
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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/633,266		
		Filing Date	July 31, 2003		
		First Named Inventor	Edwin R. Leonard		
		Art Unit	2643		
		Examiner Name	Not Yet Known		
Sheet	5	of	5	Attorney Docket Number	23564-07867

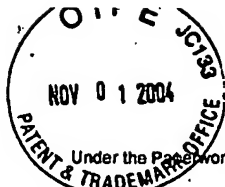
OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
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		http://www.teliris.com/technology_audio_presentation.html , pp. 1-2.	
NR	C34	Teliris, <i>Creating a Constructive Space</i> , [Retrieved on November 11, 2003]. Retrieved from the Internet: URL: http://www.teliris.com/technology_environment_design.html , pp. 1-2.	
✓	C35	Teliris, <i>Creating a Uniform Virtual Geometry</i> , [Retrieved on November 11, 2003]. Retrieved from the Internet: URL: http://www.teliris.com/technology_virtual_vectoring.html , pp. 1 of 2.	

Examiner Signature	Mehur Rameshwaril	Date Considered	11-21-05
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First Named Inventor	Edwin R. Leonard
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	A4	US2003/0058334A1	03-27-2003	Boyden et al.
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	A6	US 5,400,069	03-21-1995	Braun et al.
	A7	US 5,335,022	08-02-1994	Braun et al.
	A8	US 5,187,571	02-16-1993	Braun et al.
	A9	US 5,117,285	05-26-1992	Nelson et al.
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	A11	US 4,928,301	05-22-1990	Smoot
	A12	US 4,890,314	12-26-1989	Judd et al.
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	C2	BISHOP, Gary et al., <i>Working in the Office of "Real Soon Now,"</i> IEEE	

Examiner Signature	Melvin Rimmer	Date Considered	11-25-05
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application No.	11/006,166
Filing Date	December 6, 2004
First Named Inventor	Emmanuel Francisco
Art Unit	2614
Examiner Name	Not Yet Known
Attorney Docket Number	23564-08705

Sheet	1	of	5
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NR	A1	US-2,420,198 ✓	05-06-1947	Rosenthal
	A2	US-4,400,724 ✓	08-23-1983	Fields
	A3	US-4,890,314 ✓	12-26-1989	Judd et al.
	A4	US-4,928,301 ✓	05-22-1990	Smoot
	A5	US-5,117,285 ✓	05-26-1992	Nelson et al.
	A6	US-5,187,571 ✓	02-16-1993	Braun et al.
	A7	US-5,335,022 ✓	08-02-1994	Braun et al.
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	A9	US-5,572,248 ✓	11-05-1996	Allen et al.
	A10	US-5,883,606 ✓	03-16-1999	Smoot

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✓		✓		✓	✓

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NR	C1	MAOJUN, Zhang et al., "VCS: A Virtual Environment Support for Awareness and Collaboration," ACM 1-58113-239-5/99/0019 ..., 1999, PP. 163-165.	
✓	C2	RASKAR, Ramesh et al., "Multi-Projector Displays Using Camera-Based Registration," IEEE Visualization, San Francisco, CA, US, October 1999.	

Examiner Signature	Melvin Ramakrishna	Date Considered	11-21-05
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				Filing Date	December 6, 2004
				First Named Inventor	Emmanuel Francisco
				Art Unit	2614
				Examiner Name	Not Yet Known
Sheet	2	of	5	Attorney Docket Number	23564-08705

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	C4	RASKAR, Ramesh, "Immersive Planar Display Using Roughly Aligned Projectors," Proceedings of the IEEE Virtual Reality 2000 Conference,		
	C5	TANG, John et al., "Supporting Distributed Groups With a Montage of Lightweight Interactions," Proceedings of the ACM Conference on Computer Supported Cooperative Work, Chapel Hill, October 22-26, 1994, pp. 23-34.		
	C6	TOWELES, Herman et al., "Transport and Rendering Challenges of Multi-Stream, 3D Tele-Immersion Data," NSF Lake Tahoe Workshop on Collaborative Virtual Reality and Visualization, October 26, 2003, pp. 1-6.		
	C7	REYNARD, Gail, "Vivid: A Symbiosis Between Virtual Reality and Video Conferencing," UKERNA Video Conferencing Workshop, Nottingham University, May 1996, pp. 1-11		
	C8	YANG, Ruigang et al., "Creating Adaptive Views for Group Video Teleconferencing – An Image-Based Approach," Proceedings of the 2004 ACM SIGMM Workshop on Effective Telepresence, 2004.		
	C9	WATABE, Kazuo, "Distributed Multiparty Desktop Conferencing System: MERMAID," Proceedings of the 1990 ACM Conference on Computer-Supported Cooperative Work, 1990, pp. 27-38.		
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Examiner Signature	<i>Merhur Romaxra</i>	Date Considered	11-21-05
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	11/006,166
				Filing Date	December 6, 2004
				First Named Inventor	Emmanuel Francisco
				Art Unit	2614
				Examiner Name	Not Yet Known
Sheet	3	of	5	Attorney Docket Number	23564-08705

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
NRU	C12	GAVER, William et al., "One is Not Enough: Multiple Views in a Media Space," Proceedings of the SIGCHI conference on Human factors in computing systems, Amsterdam, The Netherlands, 1993, pp. 335-341.	
	C13	GREENHALGH, C. et al., "MASSIVE: A Collaborative Virtual Environment for Teleconferencing," ACM Transactions on Computer-Human Interaction, Vol. 2, No. 3, September 1995, pp. 239-261.	
	C14	YUN, Louis et al., "Architectures for Multi-Source Multi-User Video Compositing," Proceedings of the first ACM international conference on Multimedia, Anaheim, California, US, 1993, pp. 215-223.	
	C15	ISAACS, Ellen et al., "What Video Can and Can't Do For Collaboration: A Case Study," Proceedings of the First ACM International Conference on Multimedia, Anaheim, California, US, 1993, pp. 199-206.	
	C16	MORIKAWA, Osamu et al., "HyperMirror: Toward Pleasant-to-Use Video Mediated Communication System," Proceedings of the 1998 ACM Conference on Computer Supported Cooperative Work, Seattle, Washington, US, 1993, pp. 149 – 158.	
	C17	HOLLAN, Jim et al., "Beyond Being There," Proceedings of the SIGCHI conference on Human factors in computing systems, Monterey, California, US, 1992, pp. 119 – 125.	
	C18	FISH, Robert et al., "TheVideoWindow System in Informal Communications," Proceedings of the 1990 ACM Conference on Computer Supported Cooperative Work, pp. 1-11	
	C19	BUXTON, Bill et al., "Europarc's Integrated Interactive Intermedia Facility (IIIF): Early Experiences," Proc. IFIP WG8.4 Conference on Multi-user Interfaces and Applications, Heraklion, Crete, September 1990.	
	C20	BUXTON, W., "Telepresence: Integrating Shared Task and Person Spaces," Proceedings of the conference on Graphics interface '92, Vancouver, British	

Examiner Signature	Melior Ramakrishna	Date Considered	11-21-04
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				Application No.	11/006,166
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				First Named Inventor	Emmanuel Francisco
				Art Unit	2614
				Examiner Name	Not Yet Known
Sheet	4	of	5	Attorney Docket Number	23564-08705

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
NRL		Columbia, Canada, 1992, pp. 123–129.	
NRL	C21	BRITTAN, David, "Being There: The Promise of Multimedia Communications," In MIT Technology Review, May/June 1992, pp. 42-50.	
	C22	BLY, Sara et al., "Media Spaces: Bringing People Together in a Video, Audio, and Computing Environment," Communications of the ACM, Vol. 36, No. 1, January 1993, pp. 27-46.	
	C23	CHEN, Milton, "Leveraging the Asymmetric Sensitivity of Eye Contact for Videoconferencing," Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves, Minneapolis, Minnesota, US, 2002, pp. 49–56.	
	C24	AHUJA, S.R. et al., "The Rapport Multimedia Conferencing System," Conference Sponsored by ACM SIGOIS and IEEECS TC-OA on Office Information Systems, Palo Alto, California, US, 1998, Pages: 1-8.	
	C25	KUZUOKA, Hideaki et al., "Agora: A Remote Collaboration System That Enables Mutual Monitoring," CHI '99 Extended Abstracts on Human Factors in Computing Systems, Pittsburgh, Pennsylvania, US, 1999, pp. 190-191.	
	C26	TANG, John et al., "Why do Users Like Video? Studies of Multimedia-Supported Collaboration," Computer Supported Cooperative Work (CSCW), 1992, 1, pp. 163-193.	
	C27	ZOTKIN, Dmitry et al., "Smart Videoconferencing," IEEE International Conference on Multimedia and Expo (III), Vol. 3, New York, NY, US, 2000.	
	C28	OKADA, Ken-ichi et al., "Multiparty Videoconferencing at Virtual Social Distance: MAJIC Design," Proceedings of CSCW '94. Chapel Hill, NC: ACM, 1994, pp. 385-393.	
	C29	JANCKE, Gavin et al., "Linking Public Spaces: Technical and Social Issues," Proceedings of the SIGCHI Conference on Human Factors in Computing	

Examiner Signature	<i>Mehur Ramakrishna</i>	Date Considered	11-21-05
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<i>Mar</i>		Systems, Seattle, Washington, US, 2001, pp. 530–537.		
	C30	DOURISH, Paul et al., "Portholes: Supporting Awareness in a Distributed Work Group," Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, Monterey, CA, US, 1992, pp. 541–547.		
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	C32	TANG, John et al., "VideoWhiteBoard: Video Shadows to Support Remote Collaboration," Proc. Human Factors in Computing Systems, 1991, pp. 315–322.		
	C33	TANG, John et al., "Supporting Distributed Groups With a Montage of Lightweight Interactions," Proceedings of the 1994 ACM Conference on Computer Supported Cooperative Work, Chapel Hill, North Carolina, US, 1994, pp. 23–34.		
	C34	TANG, John et al., "Montage: Providing Teleproximity for Distributed Groups," Proceedings of the SIGCHI conference on Human Factors in Computing Systems: Celebrating Interdependence, Boston, Massachusetts, US, 1994, pp. 37–43.		
	C35	GAGEN, Martin, "Interactive Telepresence Case Studies," Teliris Ltd., New York, NY, US, June 2002, pp. 1–8.		

Examiner Signature	<i>Melvin Ramakrishna</i>	Date Considered	<i>11-21-04</i>
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